

- 49 -

ABSTRACT OF THE DISCLOSURE

An oral solid compress composition comprising a magnesium salt is provided. The composition provides a rapid dissolution of the magnesium salt, wherein not less than 75% of the magnesium salt dissolves within 45 minutes after placement in hydrochloric acid (0.1 N, 900 mL) as per USP Method <711>. In a particular embodiment, the magnesium salt is an inorganic salt such as MgO, Mg(OH)₂, MgCl₂, and others. The composition can be prepared by dry granulation, direct compression or another suitable process. The composition provides a substantially stable dissolution profile for the magnesium salt so that the dissolution profile changes only minimally even after an extended period of storage under pharmaceutically acceptable conditions when packaged in a sealed container-enclosure system. The solid composition may also exclude a cellulose-based composition. The compressed composition can be prepared and stored under anhydrous conditions.